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PATENT
Customer No. 22,852
Attorney Docket No. 05725.1292-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	
Laure RAMOS and Stéphane SABELLE	Group Art Unit: 1642
Application No.: 10/810,814	Examiner: Unassigned
Filed: March 29, 2004	
For: PARA-PHENYLENEDIAMINE DERIVATIVES CONTAINING A DISUBSTITUTED PYRROLINDINYL GROUP BEARING A CATIONIC RADICAL, AND USE OF THE SAME FOR DYEING KERATIN FIBERS	Confirmation No.: 9719

Mail Stop PGPUB
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

REQUEST FOR CORRECTED PATENT APPLICATION PUBLICATION UNDER 37 C.F.R. § 1.221(b)

The U.S. Patent and Trademark Office published the above-identified Application No. 10/810,814 as Publication No. US-2004-0248961-A1, on December 9, 2004. The published application contains a mistake that is the fault of the Office and may be material. Attached hereto are a copy of both the relevant page of the originally filed application and marked-up copy of the corresponding page of the published application containing the mistake.

A mistake is material when it affects the public's ability to appreciate the technical disclosure of the patent application publication or determine the scope of the provisional

rights that an applicant may seek to enforce upon issuance of a patent. *See* C.F.R. § 1.221(b).

The mistake, which is indicated in red ink on the relevant page of the marked-up copy of the published application attached hereto, is as follows:

(A) In claim 18, in formula (IV), line 6 on page 26, "$(R_3)_p$" should read --$(R_8)_p$--.

For at least the foregoing reasons, Applicants request that the Office correct the above-identified material mistake in the published application, which was the fault of the Office. Further, Applicants request that the Office forward a copy of the corrected published application or at least a notification of the occurrence or predicted occurrence of the corrected publication once it has been corrected.

Applicants believe that no Petition or fee is due in connection with this Request. However, if any Petition or fee is due, please grant the Petition and charge the fee to Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Date: February 9, 2004

By: _____
Adriana L. Burgy
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Enclosures:
- Marked-up copy of the page of the published application; and
- Corresponding page of the originally filed application.

- when x = 0, the linker arm D is attached to the nitrogen atom,
- when x = 1, the linker arm D is attached to one of the ring members E, G, J or L; and

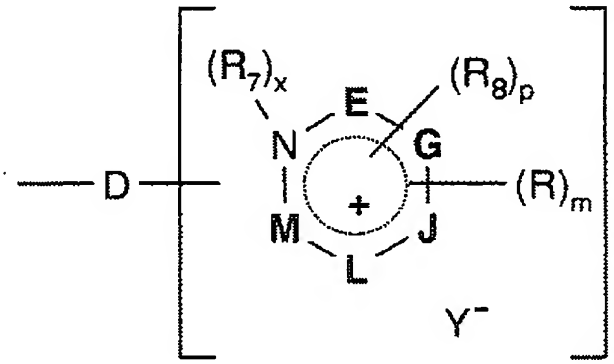
- Y^- is a counterion.

15. The compound according to claim 14, wherein the ring members E, G, J and L form a pyrrole, imidazole, pyrazole, oxazole, thiazole or triazole ring.

16. The compound according to claim 15, wherein the ring members E, G, J and L form an imidazole ring.

17. The compound according to claim 14, wherein x is equal to 0 and D is chosen from a single bond and a C_1-C_8 alkylene chain optionally substituted.

18. The compound according to claim 1, wherein the onium radical Z is a compound of formula (IV)



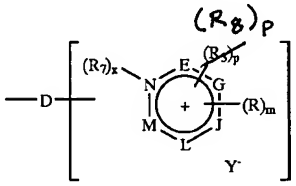
(IV)

wherein:

- D is a linker arm chosen from a covalent bond and linear or branched C_1-C_{14} alkylene chains that are optionally interrupted with at least one hetero atom chosen from oxygen, sulphur and nitrogen atoms, optionally substituted with at least one

17. The compound according to claim 14, wherein x is equal to 0 and D is chosen from a single bond and a C_1-C_8 alkylene chain optionally substituted.

18. The compound according to claim 1, wherein the onium radical Z is a compound of formula (IV)



(IV)

wherein:

D is a linker arm chosen from a covalent bond and linear or branched C_1-C_{14} alkylene chains that are optionally interrupted with at least one hetero atom chosen from oxygen, sulphur and nitrogen atoms, optionally substituted with at least one radical chosen from hydroxyl, C_1-C_6 alkoxy and amino radicals, and optionally comprise at least one carbonyl function;

the ring members E, G, J, L and M, which are identical or different, are chosen from a carbon, oxygen, sulphur and nitrogen atoms and form a ring chosen from pyridine, pyrimidine, pyrazine, triazine and pyridazine rings;

p is an integer ranging from 1 to 3;

m is an integer ranging from 1 to 5;

the sum of p+m is an integer ranging from 2 to 5;

R, which may be identical or different, is chosen from hydrogen atoms; halogen atoms; hydroxyl radicals; C_1-C_6 alkyl radicals; C_1-C_6 monohydroxyalkyl radicals; C_2-C_6 polyhydroxyalkyl radicals; C_1-C_6 alkoxy radicals; tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals; carbamoyl radicals; carboxyl radicals; C_1-C_6 alkylcarbonyl radicals; thio radicals; C_1-C_6 thioalkyl radicals; (C_1-C_6)alkylthio radicals; amino radicals; amino radicals substituted with a radical chosen from (C_1-C_6)alkyl, (C_1-C_6)alkylcarbonyl, carbamoyl and (C_1-C_6)alkylsulphonyl radicals; C_1-C_6 monohydroxyalkyl radicals; and C_2-C_6 polyhydroxyalkyl radicals; wherein the radicals R are borne by a carbon atom;

R_8, which may be identical or different, is chosen from hydrogen atoms; C_1-C_6 alkyl radicals; C_1-C_6 monohydroxyalkyl radicals; C_2-C_6 polyhydroxyalkyl radicals; tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals; (C_1-C_6)alkoxy(C_1-C_6)alkyl radicals; C_1-C_6 carbamylalkyl radicals; (C_1-C_6)alkylcarboxy(C_1-C_6)alkyl radicals; and benzyl radicals; wherein the radicals R_8 are borne by a nitrogen atom;

R_7 is chosen from C_1-C_6 alkyl radicals; C_1-C_6 monohydroxyalkyl radicals; C_2-C_6 polyhydroxyalkyl radicals; aryl radicals; benzyl radicals; C_1-C_6 aminoalkyl radicals; C_1-C_6 aminoalkyl radicals wherein the amine is mono- or disubstituted with a radical chosen from (C_1-C_6)alkyl, (C_1-C_6)alkylcarbonyl, carbamoyl and (C_1-C_6)alkylsulphonyl radicals; C_1-C_6 carboxyalkyl radicals; C_1-C_6 carbamoylalkyl radicals; C_1-C_6 trifluoroalkyl radicals; tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals; C_1-C_6 sulphonamidoalkyl radicals; (C_1-C_6)alkylcarboxy(C_1-C_6)alkyl radicals; (C_1-C_6)-alkylsulphinyl(C_1-C_6)alkyl radicals; (C_1-C_6)alkylsulphonyl(C_1-C_6)alkyl radicals; (C_1-C_6)alkylcarboxy(C_1-C_6)alkyl radicals; N-(C_1-C_6)alkylcarbamoyl(C_1-C_6)alkyl radicals; and N-(C_1-C_6)alkylsulphonamido(C_1-C_6)alkyl radicals;

x is 0 or 1, wherein:

when x=0, the linker arm D is attached to the nitrogen atom,

when x=1, the linker arm D is attached to one of the ring members E, G, J, L or M; and

Y^- is a counterion.

19. The compound according to claim 18, wherein the ring members E, G, J, L and M form, together with the nitrogen of the ring, a ring chosen from pyridine and pyrimidine rings.

20. The compound according to claim 18, wherein x is equal to 0 and R is chosen from hydrogen atoms; hydroxyl radicals; C_1-C_6 alkyl radicals; C_1-C_6 monohydroxyalkyl radicals; C_2-C_6 polyhydroxyalkyl radicals; C_1-C_6 alkoxy radicals; tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals; carbamoyl radicals; C_1-C_6 alkylcarbonyl radicals; amino radicals; amino radicals mono- or disubstituted with a radical chosen from (C_1-C_6)alkyl, (C_1-C_6)alkylcarbonyl, carbamoyl and (C_1-C_6)alkylsulphonyl radicals; C_1-C_6 monohydroxyalkyl radicals; or C_2-C_6 polyhydroxyalkyl radicals; and R_8 is chosen from hydrogen atoms, C_1-C_6 alkyl radicals, C_1-C_6 monohydroxyalkyl radicals, C_2-C_6 polyhydroxyalkyl radicals, tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals, (C_1-C_6)alkoxy(C_1-C_6)alkyl radicals and C_1-C_6 carbamylalkyl radicals.

21. The compound according to claim 18, wherein x is equal to 1 and R_7 is chosen from C_1-C_6 alkyl radicals; C_1-C_6 monohydroxyalkyl radicals; C_2-C_6 polyhydroxyalkyl radicals; C_1-C_6 aminoalkyl radicals, C_1-C_6 aminoalkyl radicals wherein the amine is mono- or disubstituted with a radical chosen from (C_1-C_6)alkyl, (C_1-C_6)alkylcarbonyl, carbamoyl or (C_1-C_6)alkylsulphonyl radicals; C_1-C_6 carbamoylalkyl radicals; tri(C_1-C_6)alkylsilane(C_1-C_6)-alkyl radicals; (C_1-C_6)alkylcarbonyl(C_1-C_6)alkyl radicals; and N-(C_1-C_6)alkylcarbamyl(C_1-C_6)alkyl radicals; R is chosen from hydrogen atoms, hydroxyl radicals, C_1-C_6 alkyl radicals, C_1-C_6 monohydroxyalkyl radicals, C_2-C_6 polyhydroxyalkyl radicals, C_1-C_6 alkoxy radicals, tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals, carbamoyl radicals, C_1-C_6 alkylcarbonyl radicals, and amino radicals, amino radicals mono- or disubstituted with a radical chosen from (C_1-C_6)alkyl, (C_1-C_6)alkylcarbonyl, carbamoyl or (C_1-C_6)alkylsulphonyl radicals; and R_8 is chosen from hydrogen atoms, C_1-C_6 alkyl radicals, C_1-C_6 monohydroxyalkyl radicals, C_2-C_6 polyhydroxyalkyl radicals, tri(C_1-C_6)alkylsilane(C_1-C_6)alkyl radicals, (C_1-C_6)alkoxy(C_1-C_6)alkyl radicals, and C_1-C_6 carbamoylalkyl radicals.

22. The compound according to claim 18, wherein R and R_8 are chosen from hydrogen atoms and alkyl radicals that are optionally substituted and R_7 is an alkyl radical that is optionally substituted.